

Anti-Mouse TCR- β (H57-597)

Fluorochrome	Reference	Size (μ g)
Pure	MOTCRBPU (V500)	500
Pure	MOTCRBPU (V100)	100
FITC	MOTCRBF (V500)	500
FITC	MOTCRBF (V100)	100
FITC	MOTCRBF (V25)	25
PE	MOTCRBPE (V100)	100
PE	MOTCRBPE (V25)	25
PerCP	MOTCRBPP (V100)	100
PerCP	MOTCRBPP (V25)	25
APC	MOTCRBA (V100)	100
APC	MOTCRBA (V25)	25
Biotin	MOTCRBB (V100)	100
Biotin	MOTCRBB (V25)	25
CF-Blue	MOTCRBCFB (V100)	100
CF-Blue	MOTCRBCFB (V25)	25
PerCP-Cyanine5.5	MOTCRBPP5.5 (V100)	100
PerCP-Cyanine5.5	MOTCRBPP5.5 (V25)	25

PRODUCT DESCRIPTION

Clone: H57-597

Isotype: Armenian Hamster IgG

Tested application: flow cytometry

Immunogen: The anti-TCR- β monoclonal antibody derives from mouse T-cell hybridoma DO-11.10.

Species reactivity: Mouse

Storage instruction: store in the dark at 2-8 °C

Storage buffer: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide (NaN₃).

Recommended usage: Immunostep's TCR- β , clone H57-597, is a monoclonal antibody intended for the identification and enumeration of mouse sample lymphocytes that express TCR- β using flow cytometry. This reagent is effective for direct immunofluorescence staining of mouse tissue for flow cytometric analysis using $\leq 1 \mu\text{g}/10^6$ cells.

Presentation: liquid.

Source: Supernatant proceeding from an *in vitro* cell culture of a cell hybridoma.

Purification: Affinity chromatography.

ANTIGEN DETAILS

Large description: TCR- β is a member of the immunoglobulin superfamily and a component of the CD3/TCR complex. It is expressed on α/β TCR-bearing T cells and thymocytes.

The CD3/TCR complex plays a key role in antigen recognition, signal transduction, and T cell activation.⁽¹⁻⁶⁾

Other Names: TCR- β chain, TCR- β , β -TCR

Gene ID: 21577

Molecular weight: 40 to 55 kDa

Please, refer to www.immunostep.com technical support for more information.

WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

REFERENCES

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3. Kubo RT, Born W, Kappler JW, Marrack P, Pigeon M. Characterization of a monoclonal antibody which detects all murine alpha beta T cell receptors. *J Immunol*1989 Apr 15;142(8):2736-42.
4. Lefrancois L. Phenotypic complexity of intraepithelial lymphocytes of the small intestine. *J Immunol*1991 Sep 15;147(6):1746-51.
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6. Saint-Ruf C, Ungewiss K, Groettrup M, Bruno L, Fehling HJ, von Boehmer H. Analysis and expression of a cloned pre-T cell receptor gene. *Science*1994 Nov 18;266(5188):1208-12.

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